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THE LANGUAGE USED IN TALKING TO DOMESTIC ANIMALS—Concluded

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III. LANGUAGE USED IN ADDRESSING CATTLE

a. In the Field

"Cusha, cusha, cusha, calling,

Ere the early dews were falling."

(The High Tide.)

Jean Ingelow's familiar lines embody a call to cows in the fields prevalent in Scotland; it also obtained in Lincolnshire as early as 1571. It is sometimes used in combination as cushycow, and has given rise to a term of endearment, cush-love. It is found in England as cushie, and in Ulster county, New York, as cush (pronounced kōōsh). Philologists find the root of this word in the Icelandic kusa, kussa, or kusla to address a cow coaxingly.

In Scotland one hears the terms prrutchy and pruh. Sir Walter Scott names the latter in his "Heart of Midlothian" (v. 11):

"Jeanie rejoiced, in the simplicity of her heart, to see her charge once more, and the mute favorites of our heroine, Gowans and the others, acknowledged her presence by lowing, turning around their broad and decent brows, when they heard her well known: *Pruh*, my leddy, *pruh*, my woman."

Prutchy, also spelled prrshe, is said to be a survival of the French "Approchez," which, like other French terms, were introduced in the time of Mary Stuart.

Another Scotch call is recorded by Jamieson: "Hove, used in calling a cow to be milked, sometimes as hove-leddy; anciently

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in the Lothians this was prrutchy and prutch-leddy. Hove is evidently meant in the sense of stop, halt" (Scottish Dictionary).

From Warwickshire is reported the call *koup*, which seems to be related to *kope*, current in England and the United States. This word, as already stated under calls to horses, is a contraction of "come up."

"Come uppe Whitefoot, come uppe Lightfoot, Come uppe Jetty, rise and follow Jetty to the milking shed."

From Cornwall, England, is reported trish, trish; from another part of the west of England agayt; from Shropshire ka-how-up and ka-how-oo.

The calls reported from different States of the Union are equally diverse. In Connecticut I have heard (and used) sake, sake (a as in cake); in New Jersey, Maryland, Iowa, and elsewhere this takes the form sook, sook, sookey; in Virginia and Alabama it becomes sookow, sookow; in central Illinois it is sook-white¹; in Maine the call is koeb; in Virginia coo (Scotch for cow); in Alabama co-boys (come boys); in Maryland co-wench, which the negroes of Louisiana and Georgia call quo-wensh.

A common call in Connecticut is boss, boss; come boss; also shortened to co-boss. This is also reported from Michigan and Vermont. Its classical origin is obvious. The diminutive bossie is used in calling calves.

Some New England farmers call the field cattle with koh, koh (sometimes pronounced kof), which is said to be a survival of the ancient Persian koh, meaning cow. It is certainly related to the Danish koe, the Dutch koe, Swedish ko, and German kuh. Calves in New England are called cub, cubby; in southern Louisiana among the Acadians, shikay, shikay. The Acadians (or "Cajens," as the natives pronounce the word) use $ch\bar{a}$, $ch\bar{a}$ (a as in far), to call cattle for feeding. In taking a herd any distance the leading horseman calls $\bar{o}\bar{o}$ - $\bar{o}\bar{o}$, $\bar{o}\bar{o}$ - $\bar{o}\bar{o}$, meaning "follow."

In the Prussian province of Saxony cows are called from the pasture with kumōtsch, kumōtsch, kumōtsch ku-ū-ū. The word kumōtsch is often pronounced kum-motsch, the first syllable of which is undoubtedly "komm," from the verb "kommen," analogous to the English "co" for "come" in co-boss. In addressing calves the diminutive mötschschen is used.

Grimm gives köss, köss; Weinhold, lo, lo; and bus, busch for calling calves.

In the Tyrol oxen are called hou, hou! also he hi! he he! tschoùla, he, he! sometimes also busch busch! Cows are called by a variety of terms, viz, kuele, tscha, tscha; tschô, tschô; tschga tschga; kös, kös; kox, koux; kul, kul; kus, kusele. And calves, higerle, ge ge ge; zügele, zügela.

In Denmark cattle in the field are called by the familiar bosse, bosse (sometimes combined with ko, as bosse-ko) and by kippe kippe, the latter chiefly to calves; in Norway by the words $kom\ baana$, which means "come children." In the Ruthenian dialect the call is $tlo\tilde{n}$, $tlo\tilde{n}$; in Bulgaria a peculiar sound made with relaxed lips and represented by the letters $tbbb\ddot{u}$; this is also used to call sheep. In Esthonia the call is vitsi and vitsi.

In the Polish provinces of Russia a variety of terms is used to call cattle: bys, by; $n\bar{a}$, $n\bar{a}$, jatosia, $n\bar{a}$; biega, anuze, nuze; dgo, dgo; oha, and maly, maly, mala (mala = small). The Polish for cow is krowa. In Lettish cows and calves in the field are called by the terms bbutze or bbutzino, the b being rolled when pronounced; also with gutschu (guros = cow). In Russian the call to cows is tpruko and to calves tprutja.

In the IIIyrian language cows are called with ma, ma and kra, vus.

In Van, Turkish Armenia, cattle are called with purre purre (the r being a lip vibration). Calves are called with burje.

b. Driving Herds of Cattle

In Scotland dairy cows are driven forward with the cry ppp-ooleddy, and cattle with prr-r-ugh, the exact sounds being difficult to represent with type.

In New England one hears the shout whay (away?), in Maryland hye, in Vermont wo-heesh, in the western plains from Nebraska to Idaho hoy.

Cowboys in the western States, when not swearing at their herds, often sing a kind of monotonous lullaby to engage their attention and to prevent a stampede.

Mexicans and Indians wishing to drive any animals away from their persons cry ugashee!

In Spain the cry is xau (pronounced hah-oo).

Correspondents in the Polish provinces of Russia send the following words used to drive cattle: $h\bar{o}$, $h\bar{o}$; a he, $an\bar{o}$, muzia; a scio ha; oha, ucha; a dzie-ha; a de hajda, and to drive cows near Krakau, a gdzie, gdzie. Calves are driven forward and from the person by the cry a kec, a luszki (Podolia).

In Lettish cows are driven into their stalls with the command kur kuhti (kuhts = stall), and they are driven out with the terms kura ahra or kura lauka; another authority gives dusch, dusch. In the Russian language cows are driven by the cry cylja (pronounced seelyah).

In the Illyrian tongue cows are driven from the person with isko, usko, hao, and commanded to stand still with gok and luc. Calves are called pos, voc and driven off with odbi.

In Zululand the natives driving cattle to water shout tyi, whence the verb "tyikiza," to drive with the sound tyi (Colenso's Zulu-English Dictionary, 1861).

In Van, Turkey, cows and calves are driven with $\bar{o}h\bar{o}$ or $h\bar{o}$, sometimes $w\bar{o}h\bar{o}$.

c. DRIVING YOKED OXEN

To start and hasten yoked oxen the terms used are mainly the same as those recorded in connection with horses. One hears go long, get up, steady, and the like. From Shropshire is reported hie-up.

As with horses, the driver of a yoke of oxen walks at the left-hand side and directs them with the same calls, haw and gee. In Yorkshire haw is replaced by prow or prou, sometimes varied as prow-in, meaning in toward the driver (Atkinson). In New England farmers often name their nigh-ox "Buck," and their off-ox "Bright," so one hears the commands haw-buck and gee-bright.

To turn yoked oxen to the left the following words are used in the places named: whoa, back haw round, Michigan; come brad, Maine; hock or hock-wo-haw, western Massachusetts.

To turn yoked oxen to the right the almost universal term in England and America is gee. Formerly in Yorkshire the teamsters used the term hop or hop-off. This is the same as the Danish hop used to urge a horse, and has given rise to the old saw, "It is usual to cry to a stumbling man or beast hop! hop!" (Kuttner, quoted by Wedgwood).

From Maryland come the terms wheel and trim to turn oxen to the right.

To quiet a cow while being milked men say soh, soh, in a low coaxing tone, as in Trowbridge's lines:

"When to her task the milkmaid goes,
Soothingly calling
So, boss, so, boss, so! so! so!"

(Evening at the Farm, St. 3.)

To induce the cow to move her leg into position for milking the command is *hoist* (pronounced hyst).

In the Saxon Erzgebirge yoked cattle are urged forward with $h\hat{i}$, $h\hat{i}o$; stopped with \hat{e} and $\hat{o}h\hat{a}$; slowed up with $ah\hat{o}i$ and $h\hat{o}i$; turned to the right with hot and to the left with wist.

Grimm gives hott and hatt for Austria, hot hut as Platt-Deutsch, diwo diau, di dist, and tschoa dist as Bavarian for directing oxen to the right.

In East Prussia the terms for right and left respectively are heitsch and xä; in the Austrian Tyrol, hotta and wist, wista, and the team is hastened by the cry hî and backed by hess, hess, z'rugg! (abbreviation of zurück).

In Württemberg the command to go on is $h\ddot{u}$ or $j\ddot{u}$; to the left, hot or hot \ddot{u} ; to the right, h\bar{u}scht; to halt, $\ddot{o}h$ or $\ddot{o}ha$; to back, heuv or heuvor.

To turn oxen to the right in the southern provinces of the Austrian Empire, where there are many languages of Slav affinities, the command is *kokorr he*, and to the left sa sa kseb ho.

In Bulgaria the ox-drivers call out haid (pronounced height) to start the animals and $t\ddot{u}$, $t\ddot{u}$ or $tsch\ddot{u}$ to hasten them. There are no distinctive words corresponding to "haw" and "gee," but drivers cry dgjah in both cases, and strike the ox on that side from which he is to turn, i.e., on the left if he is to go to the right. To send oxen to their places by the wagon-pole when hitching them, the command hosch is given.

In Hungary oxen are urged forward by the call *chalis-ho* (pronounced shalee).

In Greece oxen are commanded to go in a contrary direction from that they are taking by the words o-alléos, and they are urged to go faster with oh! (repeated).

In the Polish provinces of Russia oxen are hastened by the cries ho, ho, watch, watchaboo, and by anu and hej. The yoked pair is directed to the left by the terms hee, sa-sa, ocib-kseb, ksob, bowe-sa, cive, wista (also used for horses), heys, sob, and kse. To

turn them to the right the commands are ho, hotte; ods! ha-cia, kseb-ocib, ocib-sa; cza, cabe; hec, ec, ec. Yoked oxen are stopped by the vibratory brrr, so common in central Europe, and by the following expressions: scie-ha, prrr; hep, scia; smukaj sie; and the plain German command: steh' sofort.

In Switzerland oxen are hastened with $h\ddot{u}$ or $h\ddot{a}j$ (Aargau); commanded to go slower with hor, and to turn to the left with $h\ddot{u}sht$, to the right with hot, and to stand still δha .

In the Illyrian language oxen are called with ma, ma, volo; turned to the left with ost, and to the right with ca; backed with nuj, stu, znazad, and commanded to stand still with jo, ja, joja.

In central India and the Deccan yoked bullocks are stopped with the cry bma, a sound explained in section II, b.

IV. LANGUAGE USED IN ADDRESSING SHEEP AND GOATS

"Ho! nanny, ho! nanny,
Nanny winna ye bide?
But aye the louder she called nanny
The braider grew the tide."

This stanza records the most widely used English call to sheep in the field. It is reported from New England, Georgia, Maryland, and Virginia. It is sometimes shortened to nan, nan, and sometimes pronounced co-nanny, meaning "come-nanny." In some parts of New England and western New York the farmers cry k'day, or k'dick, accenting the second syllable.

In Derbyshire, England, the usual call is hotch, hotch, and in Warwickshire s'how.

The Creoles of southern Louisiana, true to their French origin, call mouton, mouton.

In Texas the Mexican sheep-herders, who are usually Indians with more or less Castilian blood in their veins, have a peculiar cry to attract the attention of the timid sheep without stampeding them, repeating rapidly in a high falsetto hillo-heello-hillo. Hearing this the sheep prick up their ears, look in the direction whence comes the sound, and watch; they then see the gestures made with arms, hats, etc, to indicate the way they should go, and they move along all together in a jog trot. This cry has no effect on cattle, and is not used in talking to them.

The call to sheep in Bavaria is bez, bez and le, le (Weinhold); in Prussia it is hammel (= sheep); in Denmark mikke, also $b\bar{a}\bar{a}h$, in imitation of their own cry; in Bohemia nannanana (precisely

the English nanny); in Spain chee-vy; in Esthonia and Livonia utt; in Greece tptoja (j soft); in Finland three terms at least are used to call sheep—takkona, kutu (Finnish). and limbi (Swedish).

In Switzerland (Aargau) the call to sheep is heli, se, se, se. In the Austrian Tyrol several words are employed: rrr, tschoff, tschoff; rrr tschütt, tschütt; legga, legga, horla.

In Esthonia the cry is utte, utte; in Polish Russia siep, siep prrr, and the sound symbolized by brrr, but in a shrill key. To drive sheep forward the exclamation used is hej, hej; in the province of Courland, Russia, Lithuanian shepherds call their sheep with ait, ait (aita = sheep), and lambs with burr, burr; they are driven into folds with gitz, gitz; another authority gives stig.

In Illyrian sheep are driven with bîa be; lambs are called with bebo, and driven off with terke, and commanded to leave their mothers with kit kit, and kit, lûc.

In Van, Turkey, sheep are called with $h\check{u}rr-rr$, the r being prolonged and rolled; sometimes $hurr-\acute{e}$ and $\acute{e}-hurr$; also o-ho-ho-ho-l. To drive them away the peasants shout yeree, yerree and kuss, kuss. Rams are invited to fight each other with hull, hull! Lambs are called with burr-burr-burr, the r vibrating with a peculiar motion of the lips. The animals are driven with $p\check{u}kh$, $p\check{u}kh$.

Calls to Goats

The call to goats used in Holland and Germany, sik (pronounced seek), is at least two centuries old, for it occurs in an interesting passage found in the curious work of Andreas Gryphius, entitled "Horribilicribifax," published in Breslau without date, but before 1664. The passage is as follows:

Cyrilla: Nu wollet ihr denn auff den Abend kommen?

Sempronius: 'Ασμένως ποιήσω.

Cyrilla: Nicht zu Herr Asman, sondern zu Jungfer Coelestinan.

Cyrilla: Je Herr ist doch keine Ziege da!

Translation

Cy.: Will you come, then, this evening?

S.: Gladly will I do so!

Cy.: Not to Mr Asman, but to Miss Coelestina.

S.: Sic, sic, sic [etc].

Cy.: But the man is not a goat!

Grimm gives also hödel, hödel; luzel, luzel; zub, zub; leck, leck; correspondents in eastern Prussia report nippel, and in Saxony hep, hep. In Denmark two calls are used—mads for the males and metto for the females; in Norway the call is kille; in Bulgaria miki-ki-kau.

In Illyrian, goats are called with *ve kejsko*, and ordered to stand still when being milked with *tir*, *tiri*.

In Lettish the call is qiz qiz or mik, mik.

In Van, Turkey, goats are called with e-e, the e slightly aspirated with a guttural he, he; also with kud, kud and gud, gud (kids). The animals are driven away with yehe-yehe, and ordered to stop with dush.

V. LANGUAGE USED IN ADDRESSING SWINE

The claims made by some persons that hogs are gifted with superior intelligence seem to be supported by the fact that they comprehend an unusually large vocabulary. Witness the following imperfect list of words used in calling swine in England and America:

Tig, tig, tig	Northamptonshire (Baker).
Kiss, kiss, kiss	
Check	
Jack	
Pooick, or peuck	
Chooggy	
Choog, or chook	
Chawk	
Chaw-awg	
Chee-ōō, ōō ōō, prolonged with	
musical intonation	Virginia.
Goof	Western New York.
Woots	Pennsylvania (Dutch).
Wuts	
Walk-wo-ooo	Georgia.
Whoop	Georgia.
Whook	Alabama.
Chou	Louisiana.
Piggy, piggy	Connecticut.
Pig-00-ēē	Virginia.

Pig-ōō-y	Iowa.
Pig-oo, pig-ee	Georgia.
Gwoop gwoopie	Georgia.
Pee-kō-ō	North Carolina.
Soo-ee	Maryland, Iowa, Louisiana
Sookey, sookey	Ohio.
Sug sug	Provincial English.

The last in this list has engaged the serious study of philologists. Wedgwood finds its affinities in the Old High German; $s\hat{u}$, the German sau, the Dutch soegh, the Anglo-Saxon $s\hat{u}gu$, the Danish suggie, the Swedish sugga, and the Old Norse syr, a sow; and another authority finds its root in the Hindu word for pig, soo'a.

A correspondent writes me from Courland, Russia, that in Lettish swine are called zuhka, and the common call is zuk. Grimm records sug, and a Swiss philologist states that the word sugg is used to call hogs in the neighborhood of Basle.

In Maryland some farmers have private calls for their hogs which are recognized by their own animals only; others use horns to call the swine. Mr W. W. C. writes if he goes to feed his hogs on Sunday not in his working clothes they do not recognize him, and give short grunts of fear, but as he draws near to them they change to gentle grunts of satisfaction.

Returning to central Europe, the philologist Grimm gives also wuzi, wuzi; huss, huss, da (Rhine provinces); hutz (Swabia); hutsh (Austria), as well as sug, farl sug. Weinhold records for Bavaria the analogous terms suck and zu, as well as huz, huz; and in his Allmannische Grammatik he gives hatz, hatsch, häss, and hes.

In the Prussian province of Saxony the call is kischchen, or küschchen; in the island of Rugen the cry is mutt, whence the islanders are called "Muttländer." In East Prussia swine are called kowmei, or kownei; also tut, tut; little pigs are called nitschchen; also nitsch ferkelschen, nitsch!

In the Austrian Tyrol the calls are natschele, natsch, natsch, and natsch, tschu, tschu, tschu; in Switzerland (Aargau), gus, gus, and häs, häs; in Bohemia the call to swine is choo-néek; in Denmark, gyss, gyss, and oeff, oeff; in Bulgaria, gussi, gussi.

In Finland they call swine naski (Wedgwood); in Esthonia, possa, possa nots-o; in Polish Russia a large number of terms is used, viz, mali, mali, maluskie, mamalki; maluskie, malu, malu:

nit, nit, nitchen; lusi, lusi; lut, lut, lutka; nydki, ny, duszki, nyku, mysiu; tschu; szkon; n'sia malutkie; kuc, kuc, kon; ksuna, ksu; luty, luty; gudzi, the last two being addressed to little pigs. Swine are driven with the cries a sive-ha; sive, sive; ciu, ciu; a cio, a ciu.

In Hungary the call to swine is gucza ne, ne, ne; in Greece, tzch (tongue against base of teeth with nasal intonation).

In the Russian tongue the call to swine is *chrju* (pronounced kryoo).

In Illyrian swine are called with gic, gic, puj, and driven with us, use, ujdo. But little pigs are called with pac, ûme, and driven off with skike.

In Spain swine are summoned by the call chee-ro.

In the Hawaiian islands, where swine are indigenous, the natives call them thus: u, u, uka, uka, ci, ci. The native name for hog is puaa (vowels pronounced as in Italian).

Besides the language used in calling the animals, there are "voices wherewith swine are scared" (Cotgrave). Hou was curcent in 1673; whoo-ee was used in Northamptonshire, and reappears in Connecticut as whee. Sty is reported from Yorkshire, and tch, tch from the same place; this symbolizes a sound made by suddenly removing the tongue from pressing the inside of the upper teeth and the forward part of the roof of the mouth, at the same time inhaling gently.

In Courland, the Lettish swineherds drive the animals with usch, usch.

VI. LANGUAGE USED IN ADDRESSING CATS

CALLING CATS

Puss and pussy seem to be well nigh universally used in calling cats and kittens. It is current in Germany, Holland (poes), and Turkey, and the abbreviation ps-s-s (sound made by expelling air softly through slightly parted lips, approaching a whistle) is used in Greece. In Switzerland (Aargauer dialect) it takes the form of büs, büs. In Bulgaria it becomes pisi, pisi. (Bulgarians also use mitsi, mitsi.) Some lexicographers claim to find the root of puss in Persian (puisje = cat), Kurd, Turkish, Danish, Irish, and Gaelic.¹

In France cats are generally called minet or minette, according

¹ Emil Seytter, "Barnyard Voices," in Our Animal Friends, January, 1894.

to the sex. In Switzerland the analogous minni and minno are used (N. and Q., 5 s., iv, 316). In the Tyrol the call is minni and minne, as well as mui, mui, and mutz, mutz, and hazi, haz.

In Germany one hears cats called with mis, mis and miz, mize. Weinhold (Allmannische Gram.) gives mim. Grimm (Deutsche Gram.) gives also minni; minz; mudel; mütz, mutz-zi; zitz; gusch; guss; gös, as well as pus.

In Denmark the call is *miss* or *kiss*. The latter is also current in Finland and Russia.

In Esthonia and Livonia the cry to summon cats is küss (practically the same as kiss), küsu, and küso. In Courland the Lettish for cat is kakis, but the children name the animal pinzis and call it with pinze. Kiz is, however, also in use. In the Illyrian dialect cats are called to the person with mac, mac, mic.

In Polish Russia puya is used as equivalent to "kitty," besides the following calls: kci; kizia, ci, ci, ci, and kec.

In Spain the animals are summoned with miz (pronounced meeth).

In Van, Turkey in Asia, cats are called with pusho, push, in which we note the Oriental root of puss.

In Arabic-speaking countries they call cats with moos, moos.

In Japan cats are called by the word ko-zo, ko-zo, which means "little priest."

When cats were introduced into the Hawaiian islands the natives heard the English call them pussy. Now there is no s in the Hawaiian alphabet, and the nearest approach to pussy the aborigines can articulate is poki; so one hears the call poki, poki, mai, mai miao, "mai" meaning "here." To those unfamiliar with the exigencies of the Hawaiian tongue, poki may seem a rather farfetched translation of pussy, but it is fully as reasonable as the name given by the natives to my friend Judge Hitchcock, who is always called Hiki-koki (pronounced Heekee-kokee).

DRIVING AWAY CATS

To drive cats from the person, scat! is the familiar expletive in England and America. Wedgwood records also cass.

In Finland the exclamation is kutis; in Prussia, käz (kas in Old German); in Hungary, tsi; in the Ruthenian dialect, a-kotä (kotä meaning cat); in Illyrian, pûs, and cic or sic; in Bulgarian, tbus or tbubbs; in Lettish, skiz (pronounced skits), also schkitz and

kitz; in Russian, brys; in Polish, psik, a psik, besides a kota, as above.

In Switzerland one hears chaz! (guttural ch). In Spain the exclamation is zape!

VII. LANGUAGE USED IN TALKING TO BIRDS

a. HAWKS

The gentle art of falconry, characterized by Washington Irving as "the generous sport of hunting carried into the skies," has given rise to an entire language of its own. Not only do the different classes of hawks receive distinguishing names at various periods of their lives, but peculiar terms are applied to the parts of their bodies, as if wings, legs, and tails were names too common for the noble bird.

The calls used to control their movements, in England, are not numerous. In training young falcons one writer records the cry hi-away lass (or boy), hi-away, used to induce the bird to approach the falconer, and he naively adds: "If the birds understood English it would be perfect insanity to employ cries which bid departure while they require approach." Another call to fetch the bird to the person is yo-ho-hup, yohup, yohup.

To encourage the hawk to attack, falconers cry au vol or a la volée, also hooha, ha, ha, ha, in a shrill tone. When the quarry is killed they cry whoop or who-whoop.

To make a hawk stop to the lure the cry is so-hoe (Halliwell). Sir Walter Scott, in the "Fair Maid of Perth," writes: "As the bonnet-maker spoke there was heard on the left hand the cry So, so, waw waw waw, being the shout of a falconer to his hawk."

A friend sends me another quotation:

"Then mark the swift hawk,
See him now take his stoop,
Down, down, goes the game,
Call them in, la leup, la leup."
(La Leup, or the Gallant Falconer, by M. P. Andrews.)

b. Poultry

Calling

In spite of the severely critical statement of Earle that "chick is a young and deductive singular derived from the imaginary

plural chicken" (Phil. Engl. Tongue), the young fowls respond to the call "chick, chick," very promptly, in hopes of receiving accustomed food. Their range of intelligence, in the United States at least, seems to be limited, for the number of calls reported is small.

In England the calls *chuck*, *chuck*, or *coop*, *coop*, prevail; in Virginia, *coo-che*, *coo-che*; in Pennsylvania, *pee*, *pee*. This latter call is widely employed, being reported from Germany, Spain (as pi, pi), Bulgaria, Hungary, Bavaria, and the Tyrol. In the Austrian province the term is used in combination, thus: pulla, pi, pi; the call pullele, pul pul, also occurs there.

In some parts of Germany the poultry are called with tick, tick; in Prussia, pŭt, pŭt, and young chickens with tŭk tŭk (Grimm) and schīp, schīp, the latter being an imitation of their own cry. In eastern Prussia hens are called with kluckschen, kluck, kluck; also tippchen, tipp, tipp. Grimm records also pi, pi and tiet, tiet. Weinhold reports from Bavaria bibi, bibeli, bidli; pi, pi, and pul, pul.

In Denmark the call is pootle; in Holland, kip, kip; in Bohemia, tyoo; in Bulgaria, tiri, tiri.

In the Ruthenian tongue hens are called tsupp, tsupp; in Esthonia, tibu, tibu or tibbo. In Polish Russia several cries are employed: tiu, tiu (also spelled tju); dzib, dzib; dziub; dziu, duski, dziubuchna; kur, kur (kura = hen); kuruchna; cip, cip (chip = hen); chickens are called with chibooken; cipcie, cipuchni, and czurr, r, r (kurcze = chicken). In Russian the term is zyp. In Lettish, hens are called with put, put; zib, zib, tik, tik, and tipp, tipp (or tib). The hen in Lettish is "wista," but in child-language ziba.

In Switzerland (Basler dialect) hens are called with bibi, bibi. In the Illyrian language hens are called with pîla, koko, and cuk, and driven away with is. Little chickens, however, are called with pipi, pili, and pilo.

In Greece poultry are called with the click xlk.

In Van, Turkey, hens and cocks are called with juju-juju; in Madras, with bo, bo, bo.

In the Hawaiian islands the natives cry ke, ke, ko, ko, mai mai mai = here). In Japan poultry is called with to to to, an abbreviation of the word tori, meaning "bird."

Driving

"The voices wherewith we drive away Pulleine," in the quaint language of Cotgrave (1673), also vary greatly in divers countries. The most common exclamation in the United States is shoo, shoo, sometimes spelled chou and shue. Jamieson considers this related to the German "scheuch en." Grimm gives the same word, spelling it schû (M. H. D.); also huschk and tisz.

In Japan the cry to frighten off fowls is shi, shi; in Esthonia, kuis; in Bulgaria, kasch (pronounced kawsh).

In Polish Russia poultry is driven off by the terms k'schoo, kurce, ausz (= out), a gule, a sia. In Courland Lithuanians cry tisch tisch and tisch lauka.

In Van, Turkey, hens and cocks are driven with kush, kush, kusha, kusha, and they are "invited to fight" with dig, dig, dig.

c. Calls to Ducks

In that marvelous English classic "Lorna Doone" John Ridd's sister Annie visits the duck-pond, and calls dilly, dilly, einy, einy, ducksey, which Blackmore calls the "national ducks' anthem." Dilly, dilly is also current in the United States; diddle is reported from Virginia, and widdy from North Carolina.

In Prussia, ducks are called with fit, fit (pronounced feet); in Westphalia with wip, wip (weep); Grimm gives pile, pile (see Lettish below) bile, bile; ant, ant (Austria); nat. nat, and lip, lip. Weinhold gives dis, dis, and schlick. In East Prussia the call is wittchen, witt witt, and the ducks are driven with kaatsch (compare the Polish kas).

In Holland the call to ducks is *poele*, *poele* (pronounced pool); in Bohemia, *leedle*; in Denmark, *rap*, *rap*.

In Esthonia the ducks are called with pülo, pülo; in Polish Russia there are several calls in use: dzieci (which simply means "children), kys, kys, or kes, kes, kesiurki, herus, herus; and kas, kas kacia; also katschooken. Tas, tas is also used as in the Ruthenian dialect. (The Polish for duck is kaczka.) Ducks are driven away by the cries kac, kac; harus, harus, herus; and a tas, or a herus.

In Lettish a duck is "pihle," and the birds are called with pihl, pihl, and driven away with nisch, nisch, lauka.

In the Illyrian language ducks are called with pat, pat, and driven off with $p\hat{a}to$; young ducklings, however, are called with li, li, or lig, lig, and driven away with $p\hat{a}tligo$.

In Ruthenian ducks are called with tasz, and in Hungarian with katch.

In the Hawaiian islands the natives use the word kaka, this being the word for duck.

In the Madras Presidency ducks are called with bath, bath.

d. CALLS TO GEESE

Geese are called in Cumberland, England, with yuly, and in some other shires with white.

In Germany they use the terms wille, hille, rusch (Grimm), grus, and wes (Weinhold); in Westphalia, rir, and in Prussia, $h\bar{u}l\ell$, $h\bar{u}l\ell$ (often pronounced $h\bar{l}l\ell$), and trile; also hösse.

In Bohemia the call is husz (goose = husa), which is also used by those speaking Ruthenian. In Bulgaria the geese are called pa pa and gir, gir; in Hungary, wurri. The last word is also used for the same purpose in Switzerland near Basle.

In Polish a goose is ges, and a gosling gaska. They are called with cygo, cygo; pilus, pilus, and hus, hus; when driven in flocks the cry is lela, lela. In Courland geese are called with an, an, or anit, or annin; also kâne, a word of Finnish origin. The word gusch is likewise employed, and the philologist Bielenstein, writing of the Lettish tongue, remarks that gusch is truly Lettish, and corresponds to süss = goose, except that the original guttural of the first part is preserved; compare, for example, guogas in north Courland and kuasch in Livonia, which means goose (Die Lettische Sprache, Berlin, 1864). In Courland they drive flocks of geese with ell-ell-ell.

In the Illyrian geese are called with gus, gus, gaz, and driven with zug, zuga; the goslings are called with zug, zug, and driven with zug, guso.

Geese and ducks are driven forward in Prussia with the exclamation hutsch, hutsch, and in Russia with tjagu, tjagy.

e. Calls to Turkeys

In some counties of England the farmers call turkeys with the words popo, popo (Notes and Queries). In Georgia and Virginia the common call is pee, pee. In Bulgaria the peasants cry mini, mini. In Polish Russia a number of terms are used: kur, kur; trus, trus; trr, trr, or tur, tur; gul, gul, or gulu gulu, or glu, gulusie, and pul, pul.

In the Hawaiian islands the call is kolo, kolo, pokeo pokeo, the native word for turkey being pelehu.

In Prussia, hens, ducks, geese, and other barnyard fowl are frightened away with husch or hsch, and smaller birds, as pigeons, with brrr.

VIII. SUNDRY ANIMALS

OSTRICHES in South Africa are called with the cry koo-ă, koo-ă. Doves are called by those who speak Illyrian vit, vit, and peacocks bibi bibice.

Buffaloes in Van, Turkey in Asia, are ordered to lie down with nukh; they are called with ow and $\delta\bar{o}$; also now; they are driven away with $y\check{e}$ and $y\check{e}-wo$; when yoked they are driven with $d\check{e}$ or $d\check{e}h$, and they are warned against the attack of another buffalo by the exclamation woo, woo, woo repeated quickly.

ELEPHANTS.—G. C. Conklin, elephant-trainer with Barnum and Bailey, gave me the following terms used in controlling elephants: mile = to walk; shy = to turn from the person; come in = to turn toward the person; tut-steady = to stop; tut-back = to back. Elephants know their names and respond to them when called.

Some animal-trainers use French words almost exclusively.

IX. CONCLUSION

A knowledge of the language used in addressing domestic animals might save travelers some inconvenience; for when horses, for example, are trained to obey a certain command they naturally do so under all circumstances. A correspondent writes: "Driving a kind and gentle horse just purchased, I cried whoa! to stop him, but he backed, and the louder I cried whoa, the faster he backed, until the carriage was upset and I was thrown out. Then the animal stopped in a moment, having perceived something was wrong. On inquiry of his former master I learned the horse had been trained to back at the cry whoa!"

A lady traveling in Norway had a somewhat similar experience; in trying to dismount from a horse she caught her bootnails in the perforated stirrup iron, and while endeavoring to

free her foot she cried whoa! This British ejaculation had the effect of frightening the little beast, and he set off at full speed, to the lady's discomfiture.

Since the same sound is used in Germany to stop horses as is used in Italy to start them, viz, brrrr, it is conceivable that an Italian horse transported to Germany might bolt in response to the Teutonic command to stop. Several reversals of this character have been reported to me; the click, xlk, used to start horses in the United States, is employed to stop them in India; the chirp, psp, used in the United States to urge horses forward, is used to stop them in South Africa; and the hue and dia used in France to direct animals to the right and left respectively are said by the lexicographers Mahn, Pictet, and Littré to be employed in the reverse sense in Switzerland.

In the preceding pages an important feature of the language used in talking to animals has been unavoidably omitted. I refer to the musical intonation which gives to each cry a special character having great influence with the animal addressed. In calling a given animal from a distance the cry becomes a loud shout in a shrill key and greatly prolonged, but in speaking to the same animal near at hand the same term is uttered in a soft, low tone and coaxingly.

A study of this very imperfect collection of words used in talking to domestic animals in different parts of the world leads me to the general conclusion that the terms used in calling them are generally corruptions of the ancient names of the animals themselves (sometimes with a prefix as "come"), and that the rest of the language is made up of obsolete expressions originally forming part of ordinary speech in the infancy of its development, which have been preserved through this special usage, together with inarticulate sounds and calls having their origin in the attempt of man to lower language to the comprehension of the domesticated animals, and to imitate their own cries. All these words are subject to the same influences that lead to the development of dialects, thus producing transformations not easily traced; moreover, these changes are quite radical, inasmuch as the language is unwritten, and is perpetuated only by the lore of the folk.